

OIPE

## RAW SEQUENCE LISTING

DATE: 07/31/2001

PATENT APPLICATION: US/09/835,992A

TIME: 13:14:40

Input Set : A:\L0461-7112.txt

Output Set: N:\CRF3\07312001\I835992A.raw

2 <110> APPLICANT: Obata, Yuichi  
4 <120> TITLE OF INVENTION: ISOLATED NUCLEIC ACID MOLECULES ASSOCIATED WITH GASTRIC  
CANCER AND  
5 METHODS FOR DIAGNOSING AND TREATING GASTRIC CANCER  
7 <130> FILE REFERENCE: L0461/7112  
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/835,992A  
C--> 11 <141> CURRENT FILING DATE: 2001-04-16  
13 <150> PRIOR APPLICATION NUMBER: US 08/896,164  
14 <151> PRIOR FILING DATE: 1997-07-17  
16 <160> NUMBER OF SEQ ID NOS: 87  
17 <170> SOFTWARE: PatentIn version 3.0  
19 <210> SEQ ID NO: 1  
20 <211> LENGTH: 707  
21 <212> TYPE: DNA  
22 <213> ORGANISM: Homo sapiens  
24 <220> FEATURE:  
25 <221> NAME/KEY: Unsure  
26 <222> LOCATION: (107)..(107)  
27 <223> OTHER INFORMATION: n = a, c, g or t  
29 <220> FEATURE:  
30 <221> NAME/KEY: Unsure  
31 <222> LOCATION: (154)..(154)  
32 <223> OTHER INFORMATION: n = a, c, g or t  
34 <220> FEATURE:  
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37 <223> OTHER INFORMATION: n = a, c, g or t  
39 <220> FEATURE:  
40 <221> NAME/KEY: Unsure  
41 <222> LOCATION: (215)..(215)  
42 <223> OTHER INFORMATION: n = a, c, g or t  
44 <220> FEATURE:  
45 <221> NAME/KEY: Unsure  
46 <222> LOCATION: (309)..(309)  
47 <223> OTHER INFORMATION: n = a, c, g or t  
49 <220> FEATURE:  
50 <221> NAME/KEY: Unsure  
51 <222> LOCATION: (453)..(453)  
52 <223> OTHER INFORMATION: n = a, c, g or t  
54 <220> FEATURE:  
55 <221> NAME/KEY: Unsure  
56 <222> LOCATION: (512)..(512)  
57 <223> OTHER INFORMATION: n = a, c, g or t  
59 <220> FEATURE:  
60 <221> NAME/KEY: Unsure  
61 <222> LOCATION: (543)..(543)  
62 <223> OTHER INFORMATION: n = a, c, g or t  
64 <220> FEATURE:

ENTERED

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66 <222> LOCATION: (550)..(550)
67 <223> OTHER INFORMATION: n = a, c, g or t
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70 <221> NAME/KEY: Unsure
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75 <221> NAME/KEY: Unsure
76 <222> LOCATION: (588)..(588)
77 <223> OTHER INFORMATION: n = a, c, g or t
79 <220> FEATURE:
80 <221> NAME/KEY: Unsure
81 <222> LOCATION: (610)..(610)
82 <223> OTHER INFORMATION: n = a, c, g or t
84 <220> FEATURE:
85 <221> NAME/KEY: Unsure
86 <222> LOCATION: (632)..(632)
87 <223> OTHER INFORMATION: n = a, c, g or t
89 <220> FEATURE:
90 <221> NAME/KEY: Unsure
91 <222> LOCATION: (650)..(650)
92 <223> OTHER INFORMATION: n = a, c, g or t
94 <220> FEATURE:
95 <221> NAME/KEY: Unsure
96 <222> LOCATION: (654)..(654)
97 <223> OTHER INFORMATION: n = a, c, g or t
99 <220> FEATURE:
100 <221> NAME/KEY: Unsure
101 <222> LOCATION: (671)..(671)
102 <223> OTHER INFORMATION: n = a, c, g or t
104 <400> SEQUENCE: 1
105 agatggcgcc tgttgtgaca gggaaatttg gtgagcggcc tccacctaaa cgacttacta 60
W--> 106 gggaagctat gcgaaattat ttaaaagagc gaggggatca aacagtnctt attcttcattg 120
W--> 107 caaaagttgc acagaagtca tatggaaatg aaanaagggt ttttgccc cctccttggtg 180
W--> 108 tatatcttat gggcantgga tggaagaaaa aaaangaaca aatggaacgc gatgggtgtt 240
109 ctgaacaaaa gtctcaaccg tgtgcatitg ttgggatagg aaatagtgac caaaaaatgc 300
W--> 110 agcagctana cttgaagga aagaactatt gcacagccaa aacattgtat atatctgact 360
111 cagacaagcg aaagcacttc atgttgtctg taaagatgtt ctatggcaac agtgatgaca 420
W--> 112 ttggtgtgtt cctcagcaag cgaataaaaag tcntctccaa accttccaaa aagaacagtc 480
W--> 113 attgaaaaat gctgacttat gcattgctc angaacaaag gtggctctgt ttaatcgact 540
W--> 114 acnatcccan acagttagta ccagatactt gcattgtana aggaggtnat tttcatgcc 600
W--> 115 gttcacagcn gtggggagcc ttttttatc anctcttga tgatgatgan tcnaaggag 660
W--> 116 aagaattcac ngtccgagat ggctacatcc attatggaca aacagtc 707
119 <210> SEQ ID NO: 2
120 <211> LENGTH: 551
121 <212> TYPE: DNA
122 <213> ORGANISM: Homo sapiens
124 <220> FEATURE:

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Input Set : A:\L0461-7112.txt

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125 <221> NAME/KEY: Unsure  
 126 <222> LOCATION: (200)..(200)  
 127 <223> OTHER INFORMATION: n = a, c, g or t  
 129 <220> FEATURE:  
 130 <221> NAME/KEY: Unsure  
 131 <222> LOCATION: (352)..(352)  
 132 <223> OTHER INFORMATION: n = a, c, g or t  
 134 <220> FEATURE:  
 135 <221> NAME/KEY: Unsure  
 136 <222> LOCATION: (455)..(455)  
 137 <223> OTHER INFORMATION: n = a, c, g or t  
 139 <220> FEATURE:  
 140 <221> NAME/KEY: Unsure  
 141 <222> LOCATION: (544)..(544)  
 142 <223> OTHER INFORMATION: n = a, c, g or t  
 144 <220> FEATURE:  
 145 <221> NAME/KEY: Unsure  
 146 <222> LOCATION: (546)..(546)  
 147 <223> OTHER INFORMATION: n = a, c, g or t  
 149 <400> SEQUENCE: 2  
 150 actgtggctt ctgcatttca aatcagcact tgcagggaga caacgggggtt tttgaatagt 60  
 151 atcacctggt atgaaaagtt ttcccaagaa accacaaacg attgttcatt ttttctcctt 120  
 152 ttttgttaac tttttgccac actcaagtca gtttaagtcc tagcaaaaag acggtagtta 180  
 W--> 153 ggataccact gtggctgtan atgatgtgac actgggttga tttgtgctgg cgtttgtgta 240  
 154 acttccctcg ctgtttgtgt ttgattcggt agggggcacc tggcttgaat tggctcgaag 300  
 W--> 155 gattgctcct gctgcactgc aattgtggcg cggccctggt tctgggtgtgt angtaaaggt 360  
 156 aaggctggtg gaataaatga ttccaccatt tcggaacaaa gttactggaa cctggactgg 420  
 W--> 157 ttgccggacc catctccaac cttctcggaa tgcanaaatg tctgggacga cacagaacat 480  
 158 acctctccac acctgtacat aatttcagct tctacatccc caaaccacac tcgtaaattt 540  
 W--> 159 ggantnaaaa t 551  
 162 <210> SEQ ID NO: 3  
 163 <211> LENGTH: 478  
 164 <212> TYPE: DNA  
 165 <213> ORGANISM: Homo sapiens  
 167 <220> FEATURE:  
 168 <221> NAME/KEY: Unsure  
 169 <222> LOCATION: (39)..(39)  
 170 <223> OTHER INFORMATION: n = a, c, g or t  
 172 <220> FEATURE:  
 173 <221> NAME/KEY: Unsure  
 174 <222> LOCATION: (100)..(100)  
 175 <223> OTHER INFORMATION: n = a, c, g or t  
 177 <220> FEATURE:  
 178 <221> NAME/KEY: Unsure  
 179 <222> LOCATION: (135)..(135)  
 180 <223> OTHER INFORMATION: n = a, c, g or t  
 182 <220> FEATURE:  
 183 <221> NAME/KEY: Unsure  
 184 <222> LOCATION: (147)..(147)

RAW SEQUENCE LISTING  
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Input Set : A:\L0461-7112.txt  
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185 <223> OTHER INFORMATION: n = a, c, g or t  
187 <220> FEATURE:  
188 <221> NAME/KEY: Unsure ✓  
189 <222> LOCATION: (170)..(170)  
190 <223> OTHER INFORMATION: n = a, c, g or t  
192 <220> FEATURE:  
193 <221> NAME/KEY: Unsure ✓  
194 <222> LOCATION: (206)..(206)  
195 <223> OTHER INFORMATION: n = a, c, g or t  
197 <220> FEATURE:  
198 <221> NAME/KEY: Unsure ✓  
199 <222> LOCATION: (270)..(270) ✓  
200 <223> OTHER INFORMATION: n = a, c, g or t  
202 <220> FEATURE:  
203 <221> NAME/KEY: Unsure ✓  
204 <222> LOCATION: (339)..(339) ✓  
205 <223> OTHER INFORMATION: n = a, c, g or t  
207 <220> FEATURE:  
208 <221> NAME/KEY: Unsure ✓  
209 <222> LOCATION: (347)..(347) ✓  
210 <223> OTHER INFORMATION: n = a, c, g or t  
212 <220> FEATURE:  
213 <221> NAME/KEY: Unsure ✓  
214 <222> LOCATION: (357)..(357) ✓  
215 <223> OTHER INFORMATION: n = a, c, g or t  
217 <220> FEATURE:  
218 <221> NAME/KEY: Unsure ✓  
219 <222> LOCATION: (360)..(360) ✓  
220 <223> OTHER INFORMATION: n = a, c, g or t  
222 <220> FEATURE:  
223 <221> NAME/KEY: Unsure ✓  
224 <222> LOCATION: (364)..(364) ✓  
225 <223> OTHER INFORMATION: n = a, c, g or t  
227 <220> FEATURE:  
228 <221> NAME/KEY: Unsure ✓  
229 <222> LOCATION: (389)..(389) ✓  
230 <223> OTHER INFORMATION: n = a, c, g or t  
232 <220> FEATURE:  
233 <221> NAME/KEY: Unsure ✓  
234 <222> LOCATION: (395)..(395) ✓  
235 <223> OTHER INFORMATION: n = a, c, g or t  
237 <220> FEATURE:  
238 <221> NAME/KEY: Unsure ✓  
239 <222> LOCATION: (417)..(418) ✓  
240 <223> OTHER INFORMATION: n = a, c, g or t  
242 <220> FEATURE:  
243 <221> NAME/KEY: Unsure ✓  
244 <222> LOCATION: (422)..(422) ✓  
245 <223> OTHER INFORMATION: n = a, c, g or t

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247 <220> FEATURE:
248 <221> NAME/KEY: Unsure
249 <222> LOCATION: (424)..(424)
250 <223> OTHER INFORMATION: n = a, c, g or t
252 <220> FEATURE:
253 <221> NAME/KEY: Unsure
254 <222> LOCATION: (442)..(442)
255 <223> OTHER INFORMATION: n = a, c, g or t
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258 <221> NAME/KEY: Unsure
259 <222> LOCATION: (451)..(451)
260 <223> OTHER INFORMATION: n = a, c, g or t
262 <220> FEATURE:
263 <221> NAME/KEY: Unsure
264 <222> LOCATION: (463)..(463)
265 <223> OTHER INFORMATION: n = a, c, g or t
267 <220> FEATURE:
268 <221> NAME/KEY: Unsure
269 <222> LOCATION: (468)..(468)
270 <223> OTHER INFORMATION: n = a, c, g or t
272 <400> SEQUENCE: 3
W--> 273 actgtggctt ctgcatttca aatcagcact tgcagggana caacgggggtt tttgaatagt 60
W--> 274 atcacctggt atgaaaagtt ttcccaagaa accacaaacn attgttcatt tttctcctt 120
W--> 275 ttttgtaaac ttttngccac actcaantca gtttaagtcc tagcaaaaaa acggtagtta 180
W--> 276 ggataccact gtggtgttaa atgatntgac actggttgaa tttgtgctgg cgtttgtgta 240
W--> 277 acttccctcg ctgtttgtgt ttgatctgtn agggggcacc tggcttgaat tggctcgaag 300
W--> 278 gattgctcct gctgcactgc aatgtggcgc cgggctgnt tcttatntgt tgtaaangtn 360
W--> 279 aggnitgggtg aataaatgat tccatcatnt cgganegaag ttgctgggaa ctggganngg 420
W--> 280 tngncggaac catctccgac cncccgaaa ngcagaagtg ttngtggnag accggaac 478
283 <210> SEQ ID NO: 4
284 <211> LENGTH: 707
285 <212> TYPE: DNA
286 <213> ORGANISM: Homo sapiens
288 <220> FEATURE:
289 <221> NAME/KEY: Unsure
290 <222> LOCATION: (88)..(88)
291 <223> OTHER INFORMATION: n = a, c, g or t
293 <220> FEATURE:
294 <221> NAME/KEY: Unsure
295 <222> LOCATION: (147)..(147)
296 <223> OTHER INFORMATION: n = a, c, g or t
298 <220> FEATURE:
299 <221> NAME/KEY: Unsure
300 <222> LOCATION: (157)..(157)
301 <223> OTHER INFORMATION: n = a, c, g or t
303 <220> FEATURE:
304 <221> NAME/KEY: Unsure
305 <222> LOCATION: (163)..(163)
306 <223> OTHER INFORMATION: n = a, c, g or t

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→ Use of n and/or Xaa has been detected in the Sequence Listing.  
 Review the Sequence Listing to insure a corresponding  
 explanation is presented in the <220> to <223> fields of  
 each sequence using n or Xaa.

## VERIFICATION SUMMARY

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Input Set : A:\L0461-7112.txt

Output Set: N:\CRF3\07312001\I835992A.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4

L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4

L:366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4

L:367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4

L:368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4

L:369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4

L:370 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4

L:689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:692 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:695 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:696 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:697 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:824 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:830 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

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L:868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:870 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:871 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8